

AMENDMENTS TO THE CLAIMS

Claim 1 (original): A method of providing data to a user of a client computer connected to multiple data stores and multiple other computers, the method comprising the steps of:

receiving a request for data at the client computer; forwarding the request from the client computer to a server computer; intercepting the request at a reverse proxy caching connection; and attempting to locate the data at a data store at the reverse proxy caching connection.

Claim 2 (original): The method of claim 1, further comprising:

determining that the data is not in the data store at the reverse proxy caching connection; and attempting to retrieve the data from the server computer.

Claim 3 (original): The method of claim 2, further comprising:

at the reverse proxy caching connection,
receiving data from the server computer;
storing a copy of the data in the data store at the reverse proxy caching connection; and
forwarding the data to the client computer.

Claim 4 (original): The method of claim 1, further comprising, prior to forwarding the request, attempting to locate the data at a data store at the client computer.

Claim 5 (original): The method of claim 4, wherein the data store is a cache.

Claim 6 (original): The method of claim 4, wherein the data store is a database.

Claim 7 (original): The method of claim 6, wherein data in the database is updated by a satellite transmission.

Claim 8 (original): The method of claim 1, further comprising, prior to intercepting the request, determining whether the data is located at a firewall.

Claim 9 (original): The method of claim 1, wherein the data comprises one or more music files and further comprising:

receiving a playlist specifying music files; and

while playing one of the music files that has already been retrieved, retrieving additional music files.

Claim 10 (original): The method of claim 9, wherein the music files are played using a media player.

Claim 11 (original): An apparatus for providing data to a user of a client computer, comprising:
a client computer connected to multiple data stores and multiple other computers;
one or more computer programs, performed by the client computer and multiple other computers, for receiving a request for data at the client computer, forwarding the request from the client computer to a server computer, intercepting the request at a reverse proxy caching connection, and attempting to locate the data at a data store at the reverse proxy caching connection.

Claim 12 (original): The apparatus of claim 11, further comprising:
determining that the data is not in the data store at the reverse proxy caching connection;
and attempting to retrieve the data from the server computer.

Claim 13 (original): The apparatus of claim 12, further comprising:
at the reverse proxy caching connection,
receiving data from the server computer;
storing a copy of the data in the data store at the reverse proxy caching connection; and
forwarding the data to the client computer.

Claim 14 (original): The apparatus of claim 11, further comprising, prior to forwarding the request, attempting to locate the data at a data store at the client computer.

Claim 15 (original): The apparatus of claim 14, wherein the data store is a cache.

Claim 16 (original): The apparatus of claim 14, wherein the data store is a database.

Claim 17 (original): The apparatus of claim 16, wherein data in the database is updated by a satellite transmission.

Claim 18 (original): The apparatus of claim 11, further comprising, prior to intercepting the request, determining whether the data is located at a firewall.

Claim 19 (original): The apparatus of claim 11, wherein the data comprises one or more music files and further comprising:

receiving a playlist specifying music files; and

while playing one of the music files that has already been retrieved, retrieving additional music files.

Claim 20 (original): The apparatus of claim 19, wherein the music files are played using a media player.

Claim 21 (original): An article of manufacture comprising a computer program carrier readable by a computer and embodying one or more instructions executable by the computer to perform method steps for providing data to a user of a client computer connected to multiple data stores and multiple other computers, comprising:

receiving a request for data at the client computer; forwarding the request from the client computer to a server computer; intercepting the request at a reverse proxy caching connection; and attempting to locate the data at a data store at the reverse proxy caching connection.

Claim 22 (original): The article of manufacture of claim 21, further comprising:

determining that the data is not in the data store at the reverse proxy caching connection; and attempting to retrieve the data from the server computer.

Claim 23 (original): The article of manufacture of claim 22, further comprising:
at the reverse proxy caching connection,
receiving data from the server computer;
storing a copy of the data in the data store at the reverse proxy caching connection; and
forwarding the data to the client computer.

Claim 24 (original): The article of manufacture of claim 21, further comprising, prior to forwarding the request, attempting to locate the data at a data store at the client computer.

Claim 25 (original): The article of manufacture of claim 24, wherein the data store is a cache.

Claim 26 (original): The article of manufacture of claim 24, wherein the data store is a database.

Claim 27 (original): The article of manufacture of claim 26, wherein data in the database is updated by satellite transmission.

Claim 28 (original): The article of manufacture of claim 21, further comprising, prior to intercepting the request, determining whether the data is located at a firewall.

Claim 29 (original): The article of manufacture of claim 21, wherein the data comprises one or more music files and further comprising:

receiving a playlist specifying music files; and
while playing one of the music files that has already been retrieved, retrieving additional music files.

Claim 30 (original): The article of manufacture of claim 9, wherein the music files are played using a media player.

Claim 31 (withdrawn): A method of providing data to a user of a client computer connected to multiple data stores and multiple other computers, the method comprising the steps of:

providing a user interface to enable the user to identify desired data retrieving the desired data; and

providing the desired data to the user.

Claim 32 (withdrawn): The method of claim 31, wherein the user interface provides categories of data.

Claim 33 (withdrawn): The method of claim 32, wherein the categories of data include music categories.

Claim 34 (withdrawn): The method of claim 32, wherein the categories of data include news categories.

Claim 35 (withdrawn): The method of claim 31, wherein the desired data comprises one or more music files that are played with a media player.

Claim 36 (withdrawn): The method of claim 35, further comprising providing a music controller.

Claim 37 (withdrawn): The method of claim 35, wherein the user interface enables a user to create music filters.

Claim 38 (withdrawn): The method of claim 37, wherein a music filter comprises data on how frequently a music file is to be played.

Claim 39 (withdrawn): The method of claim 35, wherein the user interface enables a user to create a custom station.

Claim 40 (withdrawn): The method of claim 39, wherein the user interface enables a user to share the custom station with another user.

Claim 41 (withdrawn): An apparatus for providing data to a user of a client computer, comprising:

a client computer connected to multiple data stores and multiple other computers;

one or more computer programs, performed by the client computer and multiple other computers, for providing a user interface to enable the user to identify desired data, retrieving the desired data, and providing the desired data to the user.

Claim 42 (withdrawn): The method of claim 41, wherein the user interface provides categories of data.

Claim 43 (withdrawn): The method of claim 42, wherein the categories of data include music categories.

Claim 44 (withdrawn): The method of claim 42, wherein the categories of data include news categories.

Claim 45 (withdrawn): The method of claim 41, wherein the desired data comprises one or more music files that are played with a media player.

Claim 46 (withdrawn): The method of claim 45, further comprising providing a music controller.

Claim 47 (withdrawn): The method of claim 45, wherein the user interface enables a user to create music filters.

Claim 48 (withdrawn): The method of claim 47, wherein a music filter comprises data on how frequently a music file is to be played.

Claim 49 (withdrawn): The method of claim 45, wherein the user interface enables a user to create a custom station.

Claim 50 (withdrawn): The method of claim 49, wherein the user interface enables a user to share the custom station with another user.

Claim 51 (withdrawn): An article of manufacture comprising a computer program carrier readable by a computer and embodying one or more instructions executable by the computer to perform method steps for providing data to a user of a client computer connected to multiple data stores and multiple other computers, comprising:

providing a user interface to enable the user to identify desired data; retrieving the desired data; and

providing the desired data to the user.

Claim 52 (withdrawn): The article of manufacture of claim 51, wherein the user interface provides categories of data.

Claim 53 (withdrawn): The article of manufacture of claim 52, wherein the categories of data include music categories.

Claim 54 (withdrawn): The article of manufacture of claim 52, wherein the categories of data include news categories.

Claim 55 (withdrawn): The article of manufacture of claim 51, wherein the desired data comprises one or more music files that are played with a media player.

Claim 56 (withdrawn): The article of manufacture of claim 55, further comprising providing a music controller.

Claim 57 (withdrawn): The article of manufacture of claim 55, wherein the user interface enables a user to create music filters.

Claim 58 (withdrawn): The article of manufacture of claim 57, wherein a music filter comprises data on how frequently a music file is to be played.

Claim 59 (withdrawn): The article of manufacture of claim 55, wherein the user interface enables a user to create a custom station.

Claim 60 (withdrawn): The article of manufacture of claim 59, wherein the user interface enables a user to share the custom station with another user.

Claim 61 (withdrawn): A method of generating a list of data elements, the method comprising the steps of:

identifying data elements associated with a grouping of data elements;

selecting a subset of the selected data elements based on weights associated with the data elements, without selecting more than a specified number of data elements that are associated with a same sub-category.

Claim 62 (withdrawn): The method of claim 61, wherein selecting further comprises:

selecting one data element;

if the data element causes more than the specified number of data elements that are associated with a same sub-category to be selected, dropping the selected data element.

Claim 63 (withdrawn): The method of claim 61, further comprising, determining whether enough iterations have been attempted to select a subset of data elements, without selecting the subset.

Claim 64 (withdrawn): The method of claim 63, further comprising, disabling a user's music filter and continuing to select a subset of data elements.

Claim 65 (withdrawn): The method of claim 63, further comprising, exiting with an error.

Claim 66 (withdrawn): The method of claim 61, wherein the weights comprise user-specified weights.

Claim 67 (withdrawn): The method of claim 66, wherein the user-specified weights are not used in selecting data elements.

Claim 68 (withdrawn): The method of claim 61, further comprising, after selecting the subset, ordering the selected data elements.

Claim 69 (withdrawn): The method of claim 61, further comprising, after selecting the subset, inserting additional data elements into the subset

Claim 70 (withdrawn): The method of claim 69, wherein the additional data elements are advertisements.

Claim 71 (withdrawn): An apparatus for generating a list of data elements, comprising:

a computer connected to one or more data stores;

one or more computer programs, performed by the computer, for identifying data elements associated with a grouping of data elements and selecting a subset of the selected data elements based on weights associated with the data elements, without selecting more than a specified number of data elements that are associated with a same sub-category.

Claim 72 (withdrawn): The apparatus of claim 71, wherein selecting further comprises:

selecting one data element;

if the data element causes more than the specified number of data elements that are associated with a same sub-category to be selected, dropping the selected data element.

Claim 73 (withdrawn): The apparatus of claim 71, further comprising, determining whether enough iterations have been attempted to select a subset of data elements, without selecting the subset.

Claim 74 (withdrawn): The apparatus of claim 73, further comprising, disabling a user's music filter and continuing to select a subset of data elements.

Claim 75 (withdrawn): The apparatus of claim 73, further comprising, exiting with an error.

Claim 76 (withdrawn): The apparatus of claim 71, wherein the weights comprise user-specified weights.

Claim 77 (withdrawn): The apparatus of claim 76, wherein the user-specified weights are not used in selecting data elements.

Claim 78 (withdrawn): The apparatus of claim 71, further comprising, after selecting the subset, ordering the selected data elements.

Claim 79 (withdrawn): The apparatus of claim 71, further comprising, after selecting the subset, inserting additional data elements into the subset.

Claim 80 (withdrawn): The apparatus of claim 79, wherein the additional data elements are advertisements.

Claim 81 (withdrawn): An article of manufacture comprising a computer program carrier readable by a computer and embodying one or more instructions executable by the computer to perform method steps for generating a list of data elements, comprising:

identifying data elements associated with a grouping of data elements;

selecting a subset of the selected data elements based on weights associated with the data elements, without selecting more than a specified number of data elements that are associated with a same sub-category.

Claim 82 (withdrawn): The article of manufacture of claim 81, wherein selecting further comprises:

selecting one data element;

if the data element causes more than the specified number of data elements that are associated with a same sub-category to be selected, dropping the selected data element.

Claim 83 (withdrawn): The article of manufacture of claim 81, further comprising, determining whether enough iterations have been attempted to select a subset of data elements, without selecting the subset.

Claim 84 (withdrawn): The article of manufacture of claim 83, further comprising, disabling a user's music filter and continuing to select a subset of data elements.

Claim 85 (withdrawn): The article of manufacture of claim 83, further comprising, exiting with an error.

Claim 86 (withdrawn): The article of manufacture of claim 81, wherein the weights comprise user-specified weights.

Claim 87 (withdrawn): The article of manufacture of claim 86, wherein the user-specified weights are not used in selecting data elements.

Claim 88 (withdrawn): The article of manufacture of claim 81, further comprising, after selecting the subset, ordering the selected data elements.

Claim 89 (withdrawn): The article of manufacture of claim 81, further comprising, after selecting the subset, inserting additional data elements into the subset.

Claim 90 (withdrawn): The article of manufacture of claim 89, wherein the additional data elements are advertisements.